

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P413840

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413840  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-740-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9223 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

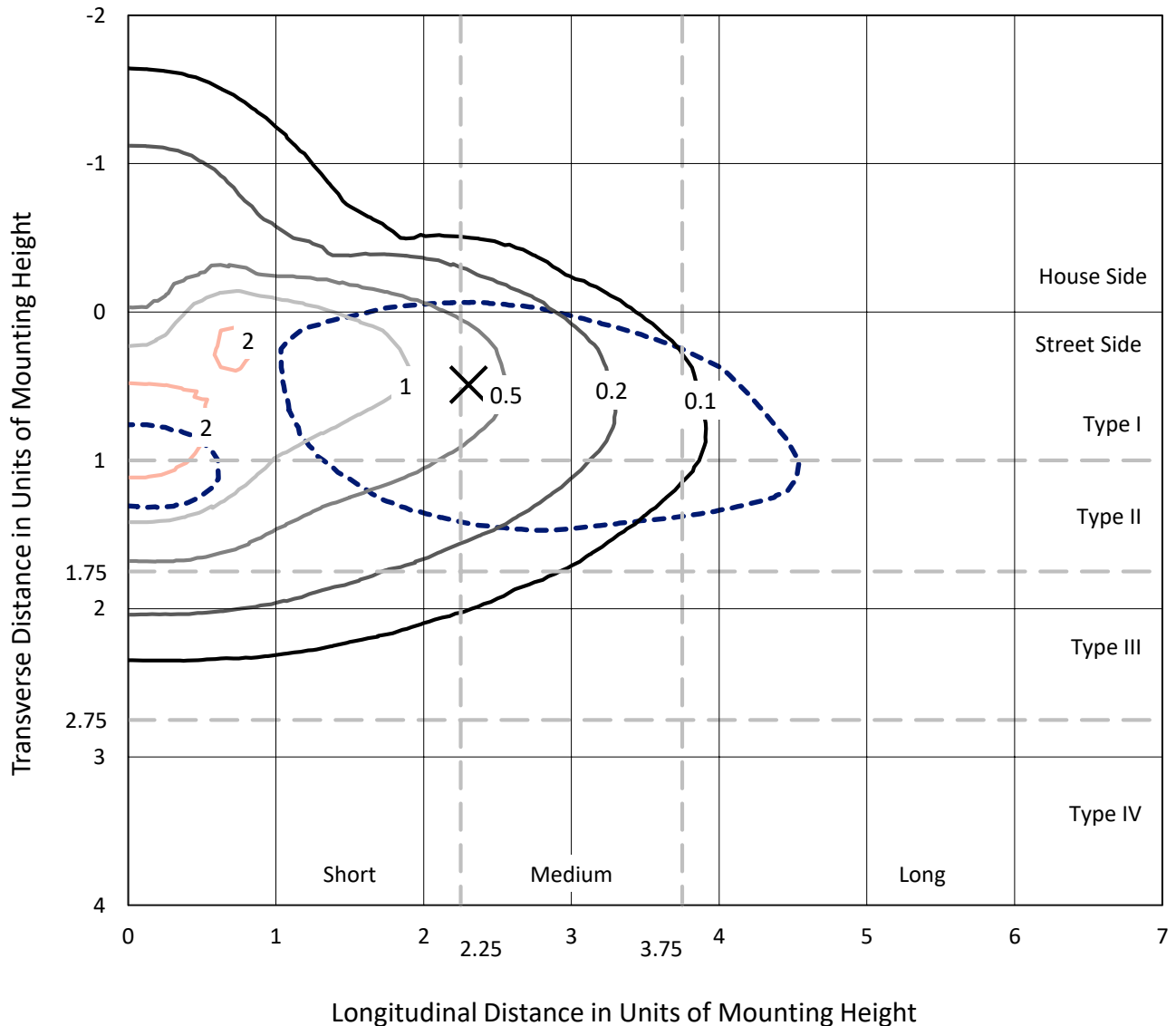


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

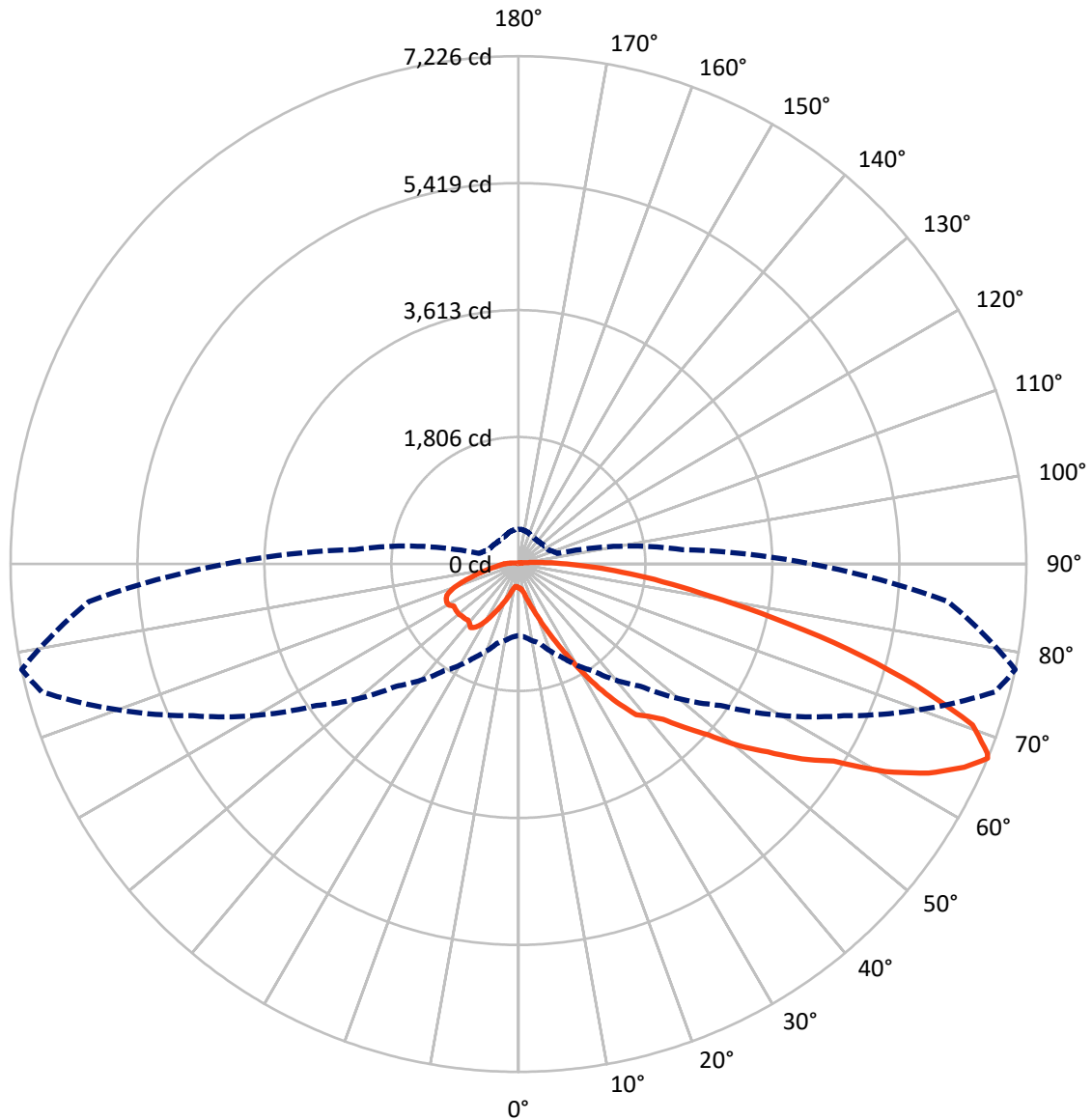


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1706.2	139.6	1845.8
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	7228.6	148.7	7377.2
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	8934.8	288.2	9223.0
	% Fixture	96.9	3.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.9	0.4
10°-20°	143.4	1.6
20°-30°	430.4	4.7
30°-40°	985.1	10.7
40°-50°	1573.4	17.1
50°-60°	1939.0	21.0
60°-70°	2021.0	21.9
70°-80°	1310.5	14.2
80°-90°	498.2	5.4
90°-100°	153.9	1.7
100°-110°	59.2	0.6
110°-120°	31.9	0.3
120°-130°	21.1	0.2
130°-140°	13.9	0.2
140°-150°	6.2	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8934.8	96.9
0°-180°	9223.0	100.0



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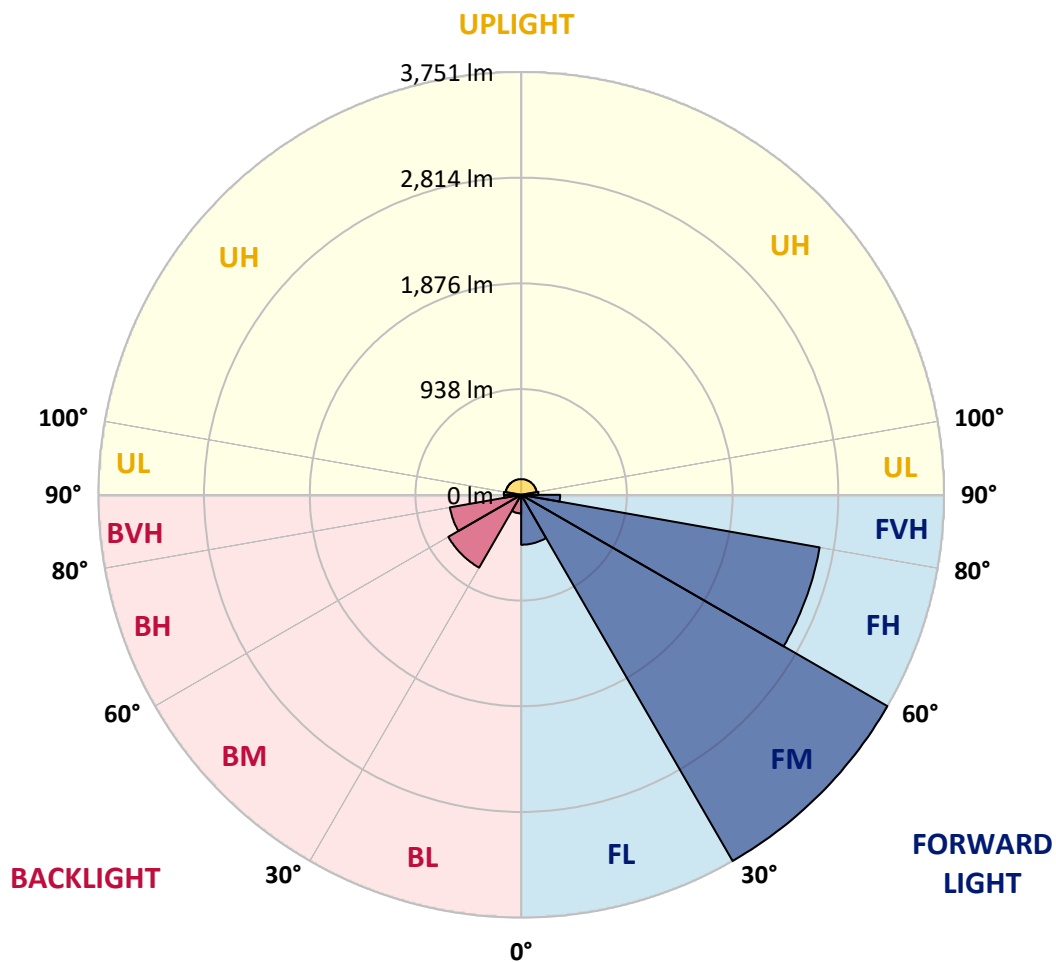
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.8	4.8			
FM (30°-60°)	3751.5	40.7			
FH (60°-80°)	2688.6	29.2			G2/5000
FVH (80°-90°)	345.6	3.7			G3/500
BL (0°-30°)	164.8	1.8	B1/500		
BM (30°-60°)	746.0	8.1	B1/1000		
BH (60°-80°)	642.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	152.6	1.7			G2/225
UL (90°-100°)	153.9	1.7		U3/500	
UH (100°-180°)	139.6	1.5		U3/500	

**BUG Rating: B2-U3-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2
2.5°	379.9	378.8	377.7	375.5	371.2	366.8	360.3	351.5	345.0	343.9	337.3
5°	427.9	424.7	424.7	419.2	410.5	401.7	388.6	373.4	361.3	354.8	345.0
7.5°	486.9	480.3	482.5	473.8	461.8	446.5	425.8	405.0	382.1	375.5	361.3
10°	557.8	553.5	549.1	538.2	524.0	500.0	480.3	449.8	419.2	410.5	388.6
12.5°	644.1	645.2	632.1	620.1	596.1	572.0	548.0	518.5	484.7	474.9	446.5
15°	765.3	764.2	750.0	722.7	693.2	667.0	647.4	615.7	583.0	572.0	529.5
17.5°	907.2	903.9	893.0	845.0	815.5	794.7	766.4	746.7	699.8	687.8	635.4
20°	1114.6	1095.0	1069.8	1005.4	961.8	935.6	912.6	887.5	837.3	816.6	754.3
22.5°	1344.9	1354.8	1308.9	1209.6	1136.4	1088.4	1064.4	1051.3	1013.1	998.9	905.0
25°	1631.0	1631.0	1558.9	1449.7	1354.8	1265.3	1259.8	1275.1	1223.8	1213.9	1114.6
27.5°	1932.3	1944.3	1849.3	1732.5	1588.4	1483.6	1478.1	1491.2	1486.9	1458.5	1316.6
30°	2276.1	2265.2	2158.2	2016.3	1825.3	1701.9	1686.6	1781.6	1789.3	1769.6	1614.6
32.5°	2676.8	2668.1	2533.8	2314.4	2078.6	1936.6	1946.5	2080.7	2133.1	2099.3	1918.1
35°	3163.7	3174.6	2963.9	2655.0	2343.8	2180.1	2191.0	2359.1	2457.4	2415.9	2211.7
37.5°	3663.7	3666.9	3473.7	3055.6	2628.8	2396.2	2422.4	2627.7	2754.3	2720.5	2439.9
40°	3980.3	4013.0	3827.4	3430.1	2929.0	2612.4	2634.2	2837.3	2911.5	2848.2	2518.5
42.5°	4257.5	4282.7	4093.8	3666.9	3157.1	2805.6	2798.0	2951.9	3058.9	3019.6	2680.1
45°	4394.0	4443.1	4272.8	3831.8	3317.6	2956.3	2897.3	3127.7	3365.6	3316.5	2942.1
47.5°	4294.7	4354.7	4282.7	3918.0	3389.7	3051.2	3064.3	3380.9	3688.8	3634.2	3228.1
50°	3970.4	4042.5	4066.5	3853.6	3408.2	3098.2	3237.9	3663.7	4076.3	4065.4	3579.6
52.5°	3579.6	3617.8	3722.6	3659.3	3339.4	3152.8	3425.7	3937.7	4475.9	4442.0	3871.1
55°	3218.3	3268.5	3354.7	3317.6	3169.1	3159.3	3574.2	4243.4	4900.5	4896.2	4237.9
57.5°	2720.5	2790.3	2971.5	2992.3	2948.6	3118.9	3682.2	4483.5	5276.1	5291.4	4605.8
60°	2088.4	2147.3	2422.4	2641.9	2680.1	3023.9	3736.8	4747.7	5918.0	5997.7	5248.8
62.5°	1693.2	1704.1	1912.6	2186.6	2446.5	2850.4	3745.5	5081.8	6479.1	6551.2	5634.2
65°	1267.4	1265.3	1457.4	1769.6	2131.0	2647.3	3718.3	5186.6	6783.7	6968.2	6002.0
67°	1018.5	1042.6	1165.9	1462.8	1858.0	2457.4	3506.5	5109.1	7022.8	7225.8	6136.3
67.5°	979.2	991.2	1103.7	1384.2	1795.8	2400.6	3444.2	5089.4	7021.7	7194.2	6095.9
70°	781.6	798.0	879.9	1065.5	1436.6	2028.3	3006.5	4633.1	6605.7	6856.8	5725.9
72.5°	603.7	616.8	674.7	815.5	1093.9	1633.2	2486.8	3986.8	5720.4	5919.1	4854.7
75°	459.6	464.0	518.5	614.6	835.1	1245.6	1920.3	3139.7	4704.0	4854.7	3945.3
77.5°	355.9	365.7	407.2	471.6	620.1	937.8	1445.4	2445.4	3742.3	3719.3	2999.9
80°	277.3	286.0	316.6	361.3	465.1	688.8	1057.8	1807.8	2733.6	2760.9	2196.5
82.5°	222.7	229.3	250.0	282.7	358.1	524.0	772.9	1351.5	2078.6	2068.7	1610.2
85°	177.9	182.3	197.6	226.0	276.2	397.4	570.9	1004.3	1467.2	1479.2	1099.3
87.5°	138.6	144.1	161.6	179.0	218.3	302.4	421.4	696.5	976.0	985.8	755.4
90°	108.1	111.4	126.6	145.2	176.9	229.3	304.6	477.1	628.8	616.8	485.8
92.5°	79.7	83.0	97.2	114.6	137.6	176.9	219.4	305.7	367.9	375.5	303.5
95°	56.8	60.0	72.1	85.2	104.8	134.3	156.1	194.3	226.0	219.4	194.3
97.5°	43.7	44.8	53.5	63.3	79.7	103.7	115.7	134.3	148.5	145.2	135.4
100°	34.9	36.0	42.6	48.0	62.2	81.9	92.8	102.6	111.4	108.1	103.7
102.5°	29.5	30.6	34.9	39.3	51.3	68.8	75.3	81.9	85.2	85.2	83.0
105°	25.1	26.2	29.5	33.8	43.7	56.8	61.1	64.4	67.7	66.6	66.6
107.5°	22.9	22.9	26.2	29.5	38.2	48.0	50.2	51.3	52.4	52.4	54.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	20.7	21.8	24.0	26.2	33.8	42.6	42.6	41.5	41.5	41.5	44.8
112.5°	19.7	20.7	21.8	25.1	31.7	37.1	36.0	33.8	33.8	34.9	38.2
115°	19.7	19.7	20.7	24.0	29.5	33.8	31.7	28.4	28.4	29.5	32.8
117.5°	19.7	19.7	21.8	24.0	28.4	30.6	28.4	25.1	24.0	25.1	28.4
120°	20.7	20.7	21.8	24.0	26.2	28.4	26.2	22.9	21.8	22.9	26.2
122.5°	21.8	21.8	21.8	24.0	25.1	26.2	24.0	20.7	19.7	20.7	24.0
125°	22.9	22.9	22.9	24.0	25.1	24.0	21.8	19.7	19.7	19.7	22.9
127.5°	25.1	25.1	25.1	25.1	24.0	22.9	20.7	18.6	19.7	19.7	21.8
130°	27.3	27.3	26.2	25.1	24.0	21.8	19.7	17.5	18.6	19.7	21.8
132.5°	28.4	27.3	26.2	24.0	22.9	19.7	17.5	16.4	17.5	18.6	20.7
135°	26.2	26.2	24.0	21.8	20.7	17.5	15.3	15.3	16.4	17.5	18.6
137.5°	22.9	22.9	21.8	19.7	18.6	16.4	14.2	13.1	15.3	16.4	17.5
140°	19.7	19.7	18.6	16.4	15.3	14.2	12.0	10.9	13.1	14.2	15.3
142.5°	16.4	16.4	15.3	13.1	13.1	12.0	9.8	9.8	12.0	12.0	13.1
145°	13.1	13.1	13.1	10.9	10.9	9.8	7.6	8.7	9.8	10.9	10.9
147.5°	10.9	10.9	10.9	8.7	8.7	7.6	5.5	6.6	7.6	8.7	8.7
150°	8.7	8.7	8.7	7.6	6.6	5.5	4.4	5.5	5.5	6.6	6.6
152.5°	6.6	6.6	6.6	5.5	5.5	3.3	3.3	4.4	4.4	5.5	5.5
155°	4.4	4.4	5.5	4.4	3.3	2.2	3.3	3.3	4.4	4.4	4.4
157.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
160°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2
2.5°	334.1	331.9	326.4	321.0	315.5	311.1	305.7	304.6	304.6	302.4	302.4
5°	338.4	331.9	318.8	307.9	295.8	286.0	278.4	275.1	271.8	269.6	267.5
7.5°	348.2	337.3	315.5	298.0	280.6	265.3	254.4	248.9	245.6	242.4	243.4
10°	371.2	354.8	323.1	294.8	268.6	247.8	234.7	228.2	226.0	222.7	222.7
12.5°	420.3	398.5	352.6	304.6	264.2	235.8	220.5	218.3	220.5	223.8	223.8
15°	497.8	465.1	398.5	331.9	274.0	233.6	224.9	231.4	239.1	243.4	243.4
17.5°	592.8	548.0	453.0	363.5	288.2	253.3	242.4	251.1	260.9	267.5	267.5
20°	697.6	637.5	508.7	390.8	308.9	280.6	268.6	276.2	289.3	299.1	298.0
22.5°	834.0	746.7	573.1	414.8	334.1	305.7	298.0	307.9	327.5	340.6	341.7
25°	1003.3	883.2	648.5	446.5	357.0	327.5	329.7	347.2	373.4	387.5	387.5
27.5°	1183.4	1031.6	712.9	478.2	381.0	350.4	361.3	385.4	413.7	430.1	432.3
30°	1421.4	1222.7	793.6	509.8	401.7	373.4	386.5	414.8	435.6	445.4	446.5
32.5°	1663.7	1403.9	858.1	542.6	421.4	389.7	401.7	429.0	447.6	458.5	457.4
35°	1883.1	1550.2	896.3	557.8	438.9	401.7	407.2	436.7	447.6	454.1	453.0
37.5°	2051.3	1655.0	910.5	561.1	445.4	407.2	409.4	434.5	449.8	461.8	459.6
40°	2079.6	1640.8	857.0	541.5	444.3	407.2	411.6	439.9	456.3	461.8	460.7
42.5°	2184.4	1680.1	811.1	506.5	431.2	406.1	415.9	442.1	449.8	446.5	443.2
45°	2366.8	1763.1	798.0	489.1	414.8	402.8	418.1	436.7	435.6	429.0	426.8
47.5°	2546.9	1842.8	769.6	481.4	410.5	401.7	417.0	430.1	433.4	426.8	424.7
50°	2776.1	1948.6	746.7	470.5	411.6	401.7	414.8	430.1	432.3	421.4	420.3
52.5°	2981.4	2021.8	712.9	460.7	412.7	405.0	414.8	430.1	431.2	420.3	418.1
55°	3195.3	2099.3	677.9	450.9	415.9	408.3	418.1	431.2	432.3	424.7	422.5
57.5°	3409.3	2167.0	638.6	443.2	419.2	414.8	420.3	432.3	441.0	438.9	438.9
60°	3846.0	2361.3	632.1	444.3	422.5	420.3	422.5	437.8	454.1	448.7	449.8
62.5°	4018.5	2402.8	620.1	458.5	432.3	424.7	425.8	442.1	459.6	467.2	466.1
65°	4175.7	2406.1	596.1	468.3	444.3	427.9	427.9	443.2	472.7	490.2	490.2
67°	4166.9	2340.6	578.6	469.4	449.8	431.2	426.8	443.2	473.8	493.4	494.5
67.5°	4116.7	2298.0	572.0	469.4	450.9	431.2	425.8	442.1	473.8	494.5	494.5
70°	3814.3	2074.2	529.5	457.4	447.6	425.8	419.2	431.2	467.2	495.6	495.6
72.5°	3159.3	1707.4	469.4	427.9	426.8	411.6	401.7	414.8	449.8	479.2	478.2
75°	2553.4	1364.6	409.4	384.3	395.2	384.3	376.6	386.5	420.3	449.8	447.6
77.5°	1908.3	1025.1	353.7	342.8	358.1	350.4	343.9	353.7	386.5	414.8	410.5
80°	1410.4	790.4	307.9	303.5	314.4	312.2	310.0	314.4	342.8	361.3	358.1
82.5°	1038.2	601.5	265.3	262.0	275.1	275.1	275.1	278.4	299.1	305.7	302.4
85°	738.0	453.0	233.6	224.9	235.8	241.3	244.5	245.6	256.5	257.6	250.0
87.5°	519.6	357.0	209.6	191.0	196.5	208.5	214.0	212.9	217.2	214.0	206.3
90°	362.4	280.6	190.0	162.7	162.7	174.7	183.4	182.3	183.4	174.7	167.0
92.5°	255.5	211.8	160.5	134.3	132.1	144.1	151.7	150.7	150.7	141.9	134.3
95°	171.4	156.1	127.7	108.1	104.8	114.6	122.3	120.1	120.1	111.4	108.1
97.5°	126.6	119.0	104.8	91.7	85.2	90.6	96.1	96.1	97.2	91.7	88.4
100°	99.3	96.1	89.5	78.6	72.1	73.1	76.4	76.4	80.8	76.4	74.2
102.5°	83.0	80.8	75.3	67.7	62.2	61.1	63.3	64.4	69.9	66.6	65.5
105°	68.8	67.7	64.4	57.9	53.5	53.5	53.5	54.6	60.0	57.9	57.9
107.5°	55.7	55.7	55.7	50.2	46.9	46.9	45.9	46.9	51.3	51.3	51.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	46.9	46.9	48.0	43.7	41.5	41.5	40.4	41.5	45.9	46.9	46.9
112.5°	40.4	40.4	41.5	39.3	37.1	37.1	36.0	36.0	40.4	43.7	43.7
115°	34.9	36.0	36.0	34.9	33.8	32.8	31.7	32.8	37.1	40.4	40.4
117.5°	30.6	31.7	32.8	31.7	30.6	29.5	28.4	29.5	33.8	38.2	38.2
120°	27.3	28.4	29.5	29.5	28.4	27.3	25.1	27.3	30.6	34.9	36.0
122.5°	25.1	26.2	26.2	26.2	26.2	24.0	22.9	24.0	27.3	31.7	32.8
125°	24.0	24.0	25.1	25.1	24.0	21.8	20.7	21.8	24.0	27.3	28.4
127.5°	22.9	22.9	24.0	24.0	21.8	19.7	18.6	19.7	21.8	24.0	24.0
130°	22.9	22.9	22.9	21.8	20.7	18.6	16.4	17.5	19.7	21.8	21.8
132.5°	21.8	20.7	20.7	20.7	18.6	16.4	15.3	15.3	17.5	19.7	19.7
135°	19.7	19.7	18.6	18.6	17.5	14.2	13.1	13.1	15.3	17.5	17.5
137.5°	17.5	17.5	16.4	16.4	15.3	13.1	10.9	12.0	14.2	14.2	15.3
140°	15.3	15.3	14.2	14.2	13.1	10.9	8.7	9.8	12.0	12.0	13.1
142.5°	13.1	13.1	13.1	12.0	10.9	8.7	7.6	8.7	10.9	10.9	10.9
145°	10.9	10.9	10.9	9.8	8.7	6.6	5.5	7.6	9.8	8.7	8.7
147.5°	8.7	8.7	8.7	8.7	6.6	5.5	4.4	6.6	7.6	7.6	7.6
150°	6.6	6.6	6.6	6.6	5.5	3.3	3.3	5.5	6.6	6.6	6.6
152.5°	5.5	5.5	5.5	6.6	5.5	2.2	2.2	4.4	5.5	5.5	5.5
155°	4.4	4.4	5.5	5.5	4.4	2.2	1.1	3.3	4.4	4.4	4.4
157.5°	3.3	3.3	4.4	4.4	3.3	2.2	1.1	2.2	4.4	3.3	3.3
160°	2.2	3.3	3.3	3.3	3.3	2.2	0.0	2.2	3.3	2.2	2.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)